CHAIN-SHAPED FOLDABLE CELLPHONE

BACKGROUND OF THE INVENTION

1. Field of the Invention

The invention relates to a chain-shaped foldable cellphone, and more particularly, to a chain-shaped foldable cellphone capable of extending functions and changing shape during usage.

2. Description of the Related Art

In the prior art, a foldable cellphone generally has a display module and a mainframe module, and the display module is pivotally connected with the mainframe module by a single spindle. Therefore, the foldable cellphone has advantages of being small in size and portable because the display module can lift 180 degree upwardly relatively to the mainframe module or cover the mainframe module.

Another conventional foldable cellphone also has a display module and a mainframe module; nevertheless, the display module and the mainframe module are respectively pivotally connected to each of the spindles of a dual-spindle connecting block. The display module of such foldable cellphone has an angle of usage adjustable from 0 to 360 degree, and more particularly, uses and functions of the foldable cellphone can be expanded and improved by folding reversely 360 degree of the display module to the back of the mainframe module.

Nevertheless, above-mentioned conventional cellphones are not capable of folding obversely or reversely to change the shape during usage.

SUMMARY OF THE INVENTION

One object of the present invention is to provide a chain-shaped foldable cellphone capable of expanding functions and changing shape during usage, comprising a mainframe module, a display module, more than one dual-spindle connecting block and an expansible module or an extensive module, wherein the expansible module is selected from the group consisting of a digital camera module, a power supply module, a memory module, a bluetooth module, a GPS module, a MP3 module and an adjustable belt module. Besides, the extensive module is a complementary connector of the expansible module, and the neighboring ends of the two modules can be connected mutually while the distant ends thereof can be connected to one of the spindles of one dual-spindle connecting block respectively. By using the pivotal connection of the dual-spindle connecting block, not only the mainframe module is pivotally connected to the display module, but also a plurality of extensive module and expansible module of various functions can be further pivotally connected, so as to construct a chain-shaped foldable cellphone capable of expanding functions and changing shape during usage.

BRIEF DESCRIPTION OF THE DRAWINGS

The novel features believed characteristic of the invention are set forth in the appended claims. The invention itself, however, as well as a preferred mode of use, further objectives and advantages thereof, will be best understood by reference to the following detailed description of illustrative embodiments when read in conjunction with the accompanying drawings, wherein:

FIG. **1** is a perspective view showing the first basic structure of the chain-shaped foldable cellphone according to one preferred embodiment of the present invention;

FIG. **2** is a perspective view showing the second basic structure of the chain-shaped foldable cellphone according to another preferred embodiment of the present invention;

FIG. **3** is a perspective view showing the third basic structure of the chain-shaped foldable cellphone according to still another preferred embodiment of the present invention;

FIG. **4** is a partly exploded view showing the chain-shaped foldable cellphone according to one preferred embodiment of the present invention;

FIG. **5** is a perspective view showing that the chain-shaped foldable cellphone expands functions and changes shape during usage by using an expansible module or an extensive module; and

FIG. **6** is a perspective view showing the chain-shaped foldable cellphone becomes a pentagonal cellphone by using an expansible module or an extensive module.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

As shown from FIG. **1** to FIG. **3**, the chain-shaped foldable cellphone **10** according to the preferred embodiment of the present invention has three different basic structures; however, all of the three are capable of extending functions and changing shape during usage.

As shown in FIG. **1**, the basic structure of the first preferred embodiment includes a mainframe module **20**, a display module **30**, an expansible module **40** and two dual-spindle connecting blocks **60** pivotally connected, wherein the mainframe module **20** is pivotally connected to the display module **30** by using a dual-spindle connecting block **60**. The expansible module **40** is pivotally connected to the mainframe module **20** or the display module **30** by using the other dual-spindle connecting block **60**.

As shown in FIG. **5** and FIG. **6**, an expansible module **40** of the chain-shaped foldable cellphone **10** can be connected to another extensive module **50**; moreover, by connecting another dual-spindle connecting block **60**, the extensive module **50** connected can further be connected to still another expansible module **40** or extensive module **50** so as to expand the uses of the chain-shaped foldable cellphone **10** and change the shape during usage.

As shown in FIG. **2**, the basic structure of the second preferred embodiment includes a mainframe module **20**, a display module **30**, an extensive module **50** and two dual-spindle connecting blocks **60** pivotally connected, wherein the mainframe module **20** is pivotally connected to the display module **30** by using a dual-spindle connecting block **60**. The extensive module **50** is pivotally connected to the mainframe module **20** or the display module **30** by using the other dual-spindle connecting block **60**.

As shown in FIG. **5** and FIG. **6**, an extensive module **50** of the chain-shaped foldable cellphone **10** can be connected to another expansive module **40**; moreover, by connecting another dual-spindle connecting block **60**, the expansible module **40** connected can further be connected to still another expansible module **40** or extensive module **50** so as to expand the uses of the chain-shaped foldable cellphone **10** and change the shape during usage.

As shown in FIG. **3**, the basic structure of the third preferred embodiment includes a mainframe module **20**, a display module **30**, an expansible module **40**, a extensive module **50** and three dual-spindle connecting blocks **60** pivotally connected, wherein the mainframe module **20** is pivotally connected to the display module **30** by using a dual-spindle connecting block **60**. The expansible module **40** is pivotally connected to the mainframe module **20** or the display module